

## CLAIMS

1. A pipe fitting, which is made of plastic, intended to act as a connection piece to join at least two mounting elements, and at least one end of which comprises a thread (2) for connecting the pipe fitting (1) and the mounting element to each other by means of a threaded connection, **characterized** in that on the bottom of a groove (4) between ridges (3) of the thread (2) there are protrusions (5).
2. A pipe fitting as claimed in claim 1, **characterized** in that the height of the protrusions (5) is 10 to 50% of the height of the ridge (3).
- 10 3. A pipe fitting as claimed in claim 1 or 2, **characterized** in that at the starting end of the thread (2) the bottom of the groove (4) does not comprise protrusions at least at the distance of one pitch.
- 15 4. A pipe fitting as claimed in any one of the preceding claims, **characterized** in that the protrusions (5) are arranged in the successive grooves (4) in such a manner that the protrusions (5) form ribs.
5. A pipe fitting as claimed in claim 4, **characterized** in that the protrusions (5) are arranged in the same line with each other in the axial direction such that they form axial ribs.
- 20 6. A pipe fitting as claimed in any one of the preceding claims, **characterized** in that the thread (2) is arranged at a distance from the end of the pipe fitting (1) in such a manner that the end of the pipe section (1) comprises an unthreaded section (6) acting as a guide surface.
- 25 7. A pipe fitting as claimed in claim 6, **characterized** in that the ratio of the length l of the unthreaded section (6) to the diameter D of the pipe fitting (1) is greater than 1:6.
8. A pipe fitting as claimed in any one of the preceding claims, **characterized** in that there are 2 to 24 protrusions (5) at one point around the circumference of the pipe fitting (1).
- 30 9. A pipe fitting as claimed in any one of the preceding claims, **characterized** in that the upper surface of the protrusion (5) is straight.
10. A pipe fitting, which is made of plastic, intended to act as a connection piece to join at least two mounting elements, and at least one end of which comprises a thread (2) for connecting the pipe fitting (1) and the mounting element to each other by means of a threaded connection, **characterized** in that the thread (2) is arranged at a distance from the end of the

pipe fitting (1) in such a manner that the end of the pipe fitting (1) comprises an unthreaded section (6) acting as a guide surface.

11. A pipe fitting as claimed in claim 10, **characterized** in that the ratio of the length  $l$  of the unthreaded section (6) to the diameter  $D$  of the pipe fitting is greater than 1:6.

12. A pipe fitting as claimed in claim 10, **characterized** in that the ratio of the length  $l$  of the unthreaded section (6) to the diameter  $D$  of the pipe fitting (1) is greater than 1:4.

13. A pipe fitting as claimed in any one of claims 10 to 12, **characterized** in that on the bottom of a groove (4) between ridges (3) of the thread (2) there are protrusions (5).

14. A pipe fitting as claimed in claim 13, **characterized** in that at the starting end of the thread (2) the bottom of the groove (4) does not comprise protrusions at least at the distance of one pitch.

15. A pipe fitting as claimed in claim 13 or 14, **characterized** in that the protrusions (5) are arranged in the successive grooves (4) in such a manner that the protrusions (5) form ribs.

16. A pipe fitting as claimed in claim 15, **characterized** in that the protrusions (5) are arranged in the same line with each other in the axial direction such that they form axial ribs.